

[SCOPE OF CLAIMS]

[Claim 1] A recording and reproducing system comprising:

a record medium for holding a plurality of data files for storing predetermined data;

play list recording means of recording a play list for describing reproduction order in which the predetermined data stored in all or a part of said plurality of data files respectively is reproduced by using a unique data file ID given to each of said data files in a play list file for storing said play list held in said record medium; and

data reproducing means of reproducing the predetermined data stored in all or a part of said plurality of data files respectively by using said reproduction order based on said recorded play list.

[Claim 2] The recording and reproducing system according to claim 1,

wherein said plurality of data files further store parameter information used to reproduce said predetermined data respectively;

parameter information recording means of recording all of the parameter information stored in said plurality of data files respectively in a parameter information file for storing said parameter information held in said record medium is further provided; and

each of said plurality of data files is given said unique data file ID by using order in which said parameter information file stores said parameter information.

[Claim 3] The recording and reproducing system according to claim 2,

wherein said data files are managed by using said given unique data file IDs.

[Claim 4] The recording and reproducing system according to claim 2,

wherein said record medium holds a plurality of said play list files;

each of said plurality of play list files has a play list file attribute; and

said parameter information file further stores play list file attribute information on the play list file attribute which each of said plurality of play list files has.

[Claim 5] The recording and reproducing system according to claim 4,

wherein said plurality of play list files are given unique play list file IDs by using order in which said parameter information file stores said play list file attribute information; and

said play list files are managed by using said given unique play list file IDs.

[Claim 6] The recording and reproducing system according to claim 1,

wherein said play list describes said reproduction order by using grouping.

[Claim 7] The recording and reproducing system according to claim 1,

wherein said play list describes said reproduction order to be rewritable.

[Claim 8] A recording apparatus comprising: play list recording means of recording a play list in a play list file for storing the play list for describing reproduction order in which predetermined data stored in all or a part of a plurality of data files respectively is reproduced by using a unique data file ID given to each of said data files, said play list file held in a record medium for holding said plurality of data files for storing the predetermined data,

wherein the predetermined data stored in all or a part of said plurality of data files respectively is reproduced by using said reproduction order based on said recorded play list.

[Claim 9] A reproducing apparatus, comprising: data reproducing means of reproducing predetermined data stored in all or a part of a plurality of data files respectively by using reproduction order based on a play list recorded in a play list file held in a record medium for holding a plurality

of data files for storing predetermined data and a play list file for storing the play list for describing said reproduction order in which the predetermined data stored in all or a part of said plurality of data files respectively is reproduced by using a unique data file ID given to each of said data files.

[Claim 10] A record medium for holding a plurality of data files for storing predetermined data and a play list file for storing a play list for describing reproduction order in which the predetermined data stored in all or a part of said plurality of data files respectively is reproduced by using a unique data file ID given to each of said data files,

wherein said play list is recorded in said play list file,
and

the predetermined data stored in all or a part of said plurality of data files respectively is reproduced by using said reproduction order based on said recorded play list.

[Claim 11] A recording and reproducing method comprising:
a play list recording step of recording a play list in a play list file held in a record medium for holding a plurality of data files for storing predetermined data and a play list file for storing the play list for describing reproduction order in which the predetermined data stored in all or a part of said plurality of data files respectively is reproduced by using a unique data file ID given to each of said data files;
and

data reproducing step of reproducing the predetermined data stored in all or a part of said plurality of data files respectively by using said reproduction order based on said recorded play list.

[Claim 12] A recording method characterized by having a play list recording step of recording a play list in a play list file for storing the play list for describing reproduction order in which predetermined data stored in all or a part of a plurality of data files respectively is reproduced by using a unique data file ID given to each of said data files held in a record medium for holding said plurality of data files for storing the predetermined data,

wherein the predetermined data stored in all or a part of said plurality of data files respectively is reproduced by using said reproduction order based on said recorded play list.

[Claim 13] A reproducing method comprising a data reproducing step of reproducing predetermined data stored in all or a part of a plurality of data files respectively by using reproduction order based on a play list recorded in a play list file held in a record medium for holding a plurality of data files for storing predetermined data and the play list file for storing the play list for describing said reproduction order in which the predetermined data stored in all or a part

of said plurality of data files respectively is reproduced by using a unique data file ID given to each of said data files.

[Claim 14] A program for causing a computer to execute a play list recording step and a data reproducing step of a recording and reproducing method according to claim 11.

[Claim 15] A program for causing a computer to execute a play list recording step of a recording method according to claim 12.

[Claim 16] A program for causing a computer to execute a data reproducing step of a reproducing method according to claim 13.

[Claim 17] A medium supporting a program according to claim 14 and processable by a computer.

[Claim 18] A medium supporting a program according to claim 15 and processable by a computer.

[Claim 19] A medium supporting a program according to claim 16 and processable by a computer.